

A RATE-DISTORTION OPTIMIZATION SYSTEM AND METHOD FOR IMAGE COMPRESSION

Abstract of the Disclosure

A method of image compression includes digitizing an image and segmenting the image in a plurality of different manners to generate a plurality of segmented images. Each of the segmented images is compressed. The method further includes determining a bit rate for each of the compressed images, and determining how much image distortion results from each compression. Finally, the manner of segmentation which results in an optimal compromise between the rate and distortion is selected.